

SEARCHED

| Class | Sub. | Date | Exmr. |
|-----------|-------|----------|-------|
| 514 | 44 | 3-31 | 9W |
| 435 | 325 | | |
| 536 | 23.1 | | |
| 435 | 320.1 | | |
| 435 | 455 | | |
| * updated | | 12/26/01 | 9W |
| updated | | 4/18/02 | 9W |
| updated | | 5/14/03 | 9W |

INTERFERENCE SEARCHED

| Class | Sub. | Date | Exmr. |
|-------|------|------|-------|
| | | | |
| | | | |
| | | | |

SEARCH NOTES (INCLUDING SEARCH STRATEGY)

| | Date | Exmr. |
|----------------------------------------------------------------|----------|-------|
| STN: biosis, caplog, medline EAST | 3-31 | 9W |
| updated | 12/26/01 | 9W |
| updated | 4/18/02 | 9W |
| updated | 5/14/03 | 9W |
| corrected w/ Shale for New matter & 112000 issues/claims | 5/14/03 | 9W |